

*Coversheet for Certificate of Analysis*

Productcode : 5015787  
Lot No. : 0723010008  
Analysis No. : 03F38564

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CfC Number : 05133629  
Articlecode : 5015787624  
Sales Name : 25 KG PLASTIC CAN PARSOL EHS  
Manufacturing Date : 02-JAN-2023  
Best Use Before Date : 01-JAN-2026  
Delivery Note No. 1124107950  
Destination : Argentina  
Customer Ref. No : 4501687596  
Customer Article No: 5015787624  
Customer Name: DSM NUTRITIONAL PRODUCTS ARGENTINA S.A.  
COLECTORA ESTE PANAMERICANA, RAMAL PILAR  
C.U.I.T : 30-70782242-9

Article desc. CoA  
Comment

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# PARSOL® EHS

## CERTIFICATE OF ANALYSIS

Productcode : 5015787  
 Lot No. : 0723040008  
 Analysis No. : 03F38564

Test	Result	Limits / Specifications	Dimension / Units
<b>Appearance</b> visual	liquid	liquid	
<b>Colour</b> visual	colorless to pale yellow	colorless to pale yellow	
<b>Assay</b> GC (USP 621)	98.8	95.0 to 105.0	%
<b>Identity</b> IR (USP 197F)	corresponds	corresponds	
<b>Identity</b> GC (USP 621)	corresponds	corresponds	
<b>Specific gravity (25°C)</b> Pycnometer (USP 841)	1.014	1.011 to 1.016	
<b>Refractive index (20°C)</b> Refractometer (USP 831)	1.502	1.500 to 1.503	
<b>Acidity (0.1N NaOH)</b> Titration (USP)	0.0	max. 0.2	mL/mL
<b>UV specific extinction</b> (E 1%, 1 cm at 305 nm in ethanol) Spectrophotometry	181	168 to 182	
<b>Chromatographic purity</b> Each GC (USP 621)	0.1	max. 0.5	%
<b>Total</b> GC (USP 621)	0.4	max. 2.0	%
<b>Methanol</b> GC (USP 467)	corresponds*	max. 50	ppm
<b>Heavy metals</b> Lead ICP-MS (USP 232/233)	corresponds*	max. 1	ppm
<b>Cadmium</b> ICP-MS (USP 232/233)	corresponds*	max. 0.5	ppm
<b>Mercury</b> ICP-MS (USP 232/233)	corresponds*	max. 0.1	ppm
<b>Cobalt</b> ICP-MS (USP 232/233)	corresponds*	max. 1	ppm
<b>Chrome</b> ICP-MS (USP 232/233)	corresponds*	max. 1	ppm
<b>Nickel</b> ICP-MS (USP 232/233)	corresponds*	max. 1	ppm
<b>Antimony</b> ICP-MS (USP 232/233)	corresponds*	max. 1	ppm

# PARSOL® EHS

## CERTIFICATE OF ANALYSIS

**Productcode :** 5015787  
**Lot No. :** 0723010008  
**Analysis No. :** 03F38564

Test	Result	Limits / Specifications	Dimension / Units
<b>Arsenic</b> ICP-MS (USP 232/233)	corresponds*	max. 1	ppm
<b>Microbiological purity</b>			
Total aerobic plate count USP/EP	corresponds*	max. 100	CFU/g
Total yeast and moulds count USP/EP	corresponds*	max. 100	CFU/g
<i>Pseudomonas aeruginosa</i> USP/EP	corresponds*	negative in 1g	
<i>Staphylococcus aureus</i> USP/EP	corresponds*	negative in 1g	
<i>Escherichia coli</i> USP/EP	corresponds*	negative in 1g	
<i>Candida albicans</i> USP/EP	corresponds*	negative in 1g	

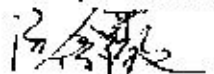
\*) checked at regular intervals

This lot has been analyzed and released. The manufacturing and control records have been reviewed by our authorized Quality organization. This lot meets substance specifications as given here above and has been produced in conformity with applicable Good Manufacturing Practices (GMP).

The product meets all requirements of the following valid compendia when tested accordingly:

USP

DSM Nutritional Products Ltd  
 The Quality Assurance Manager



Tang Yu-Wei